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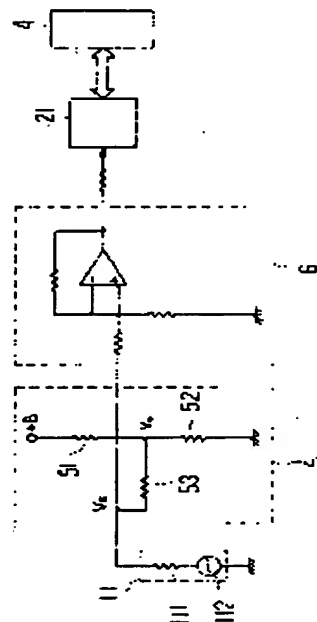
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(54) AIR-FUEL RETURN CONTROLLER FOR INTERNAL CUMBUSTION ENGINE

(57)Abstract:

PURPOSE: To correct the result operated at the digital computer to control air-fuel ratio at the expected value by providing the digital computer to operate fuel supplying rate and the exhaust gas sensor for oxygen condensation detecting in exhaust gas.

CONSTITUTION: As the O₂ sensor signal processing circuit, the equivalent network of the O₂ sensor 11 which is constituted of the inside resistance 111 and the inside electromotive force 112. The current flowing circuit 5 to the O₂ sensor 11 is connected with the O₂ sensor 11 and divide potential of the prescribed voltage +B by resistance. Output signal from the O₂ sensor 11 is amplified at the signal amplifier 6 and output from said amplifier 6 is supplied to the interface 21 to be A/D-converted, and transfer the signal to CPU4. At the current flowing circuit 5, prescribed voltage +B is potentially divided by the resistance 51, 52 to flow electric current to the O₂ sensor 11 through the resistance 53. CPU4 takes in O₂ sensor output signal which is A/D-converted appropriately and affect return control operation by the program control.



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